# Thomas J Carroll

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 6,352 citations | 126708<br>33 h-index | 161609<br>54 g-index |
| 58 all docs | 58 docs citations | 58 times ranked | 6749 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Deletion of Lats1/2 in adult kidney epithelia leads to renal cell carcinoma. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 12 |
| 2 | Vascular deficiencies in renal organoids and ex vivo kidney organogenesis. Developmental Biology, 2021, 477, 98-116. | 0.9 | 23 |
| 3 | Asynchronous mixing of kidney progenitor cells potentiates nephrogenesis in organoids. Communications Biology, 2020, 3, 231. | 2.0 | 24 |
| 4 | Stromal beta-catenin activation impacts nephron progenitor differentiation in the developing kidney and may contribute to Wilms tumor. Development (Cambridge), 2020, 147, . | 1.2 | 16 |
| 5 | Identification and characterization of cellular heterogeneity within the developing renal interstitium. Development (Cambridge), 2020, 147, . | 1.2 | 59 |
| 6 | Schwannoma development is mediated by Hippo pathway dysregulation and modified by RAS/MAPK signaling. JCI Insight, 2020, 5, . | 2.3 | 14 |
| 7 | Methods for renal lineage tracing: In vivo and beyond. Methods in Cell Biology, 2019, 154, 121-143. | 0.5 | 1 |
| 8 | LATS1/2 suppress NFÎºB and aberrant EMT initiation to permit pancreatic progenitor differentiation. PLoS Biology, 2019, 17, e3000382. | 2.6 | 21 |
| 9 | Molecular determinants of WNT9b responsiveness in nephron progenitor cells. PLoS ONE, 2019, 14, e0215139. | 1.1 | 15 |
| 10 | Spatiotemporal Loss of <i>NF1</i> in Schwann Cell Lineage Leads to Different Types of Cutaneous Neurofibroma Susceptible to Modification by the Hippo Pathway. Cancer Discovery, 2019, 9, 114-129. | 7.7 | 65 |
| 11 | Lkb1 deficiency confers glutamine dependency in polycystic kidney disease. Nature Communications, 2018, 9, 814. | 5.8 | 55 |
| 12 | Spatiotemporal heterogeneity and patterning of developing renal blood vessels. Angiogenesis, 2018, 21, 617-634. | 3.7 | 55 |
| 13 | Programming of Schwann Cells by Lats1/2-TAZ/YAP Signaling Drives Malignant Peripheral Nerve Sheath Tumorigenesis. Cancer Cell, 2018, 33, 292-308.e7. | 7.7 | 83 |
| 14 | Disparate levels of beta-catenin activity determine nephron progenitor cell fate. Developmental Biology, 2018, 440, 13-21. | 0.9 | 33 |
| 15 | Loss of <i>Dis3l2</i> partially phenocopies Perlman syndrome in mice and results in up-regulation of <i>Igf2</i> in nephron progenitor cells. Genes and Development, 2018, 32, 903-908. | 2.7 | 34 |
| 16 | MYC activation cooperates with Vhl and Ink4a/Arf loss to induce clear cell renal cell carcinoma. Nature Communications, 2017, 8, 15770. | 5.8 | 64 |
| 17 | Myc cooperates with beta-catenin to drive gene expression in the nephron progenitor cells. Development (Cambridge), 2017, 144, 4173-4182. | 1.2 | 24 |
| 18 | Talin regulates integrin Î²1 dependent and independent cell functions in ureteric bud development. Development (Cambridge), 2017, 144, 4148-4158. | 1.2 | 8 |

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|---|---|---|---|
| 19 | Hemodynamic Forces Sculpt Developing Heart Valves through a KLF2-WNT9B Paracrine Signaling Axis. Developmental Cell, 2017, 43, 274-289.e5. | 3.1 | 114 |
| 20 | Planar cell polarity of the kidney. Experimental Cell Research, 2016, 343, 258-266. | 1.2 | 20 |
| 21 | A Creâ€inducible fluorescent reporter for observing apical membrane dynamics. Genesis, 2015, 53, 285-293. | 0.8 | 7 |
| 22 | p53 enables metabolic fitness and self-renewal of nephron progenitor cells. Development (Cambridge), 2015, 142, 1228-1241. | 1.2 | 30 |
| 23 | Wnt4 is essential to normal mammalian lung development. Developmental Biology, 2015, 406, 222-234. | 0.9 | 58 |
| 24 | Cdc42 regulates epithelial cell polarity and cytoskeletal function in kidney tubule development. Journal of Cell Science, 2015, 128, 4293-305. | 1.2 | 39 |
| 25 | <i>Bap1</i> is essential for kidney function and cooperates with <i>Vhl</i> in renal tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16538-16543. | 3.3 | 123 |
| 26 | Generation and characterization of KsprtTA and KsptTA transgenic mice. Genesis, 2013, 51, 430-435. | 0.8 | 9 |
| 27 | The Development of Highly Potent Inhibitors for Porcupine. Journal of Medicinal Chemistry, 2013, 56, 2700-2704. | 2.9 | 94 |
| 28 | Defining the Signals that Constitute the Nephron Progenitor Niche. Journal of the American Society of Nephrology: JASN, 2013, 24, 873-876. | 3.0 | 32 |
| 29 | Polycystin-1 binds Par3/aPKC and controls convergent extension during renal tubular morphogenesis. Nature Communications, 2013, 4, 2658. | 5.8 | 48 |
| 30 | Stromalâ€"epithelial crosstalk regulates kidney progenitor cell differentiation. Nature Cell Biology, 2013, 15, 1035-1044. | 4.6 | 209 |
| 31 | Vertebrate kidney tubules elongate using a planar cell polarityâ€"dependent, rosette-based mechanism of convergent extension. Nature Genetics, 2012, 44, 1382-1387. | 9.4 | 197 |
| 32 | Diverse Chemical Scaffolds Support Direct Inhibition of the Membrane-bound O-Acyltransferase Porcupine. Journal of Biological Chemistry, 2012, 287, 23246-23254. | 1.6 | 72 |
| 33 | The Kidney and Planar Cell Polarity. Current Topics in Developmental Biology, 2012, 101, 185-212. | 1.0 | 34 |
| 34 | PCP goes organic. Organogenesis, 2011, 7, 163-164. | 0.4 | 0 |
| 35 | Canonical Wnt9b signaling balances progenitor cell expansion and differentiation during kidney development. Development (Cambridge), 2011, 138, 1247-1257. | 1.2 | 254 |
| 36 | The Leucine Zipper Putative Tumor Suppressor 2 Protein LZTS2 Regulates Kidney Development. Journal of Biological Chemistry, 2011, 286, 40331-40342. | 1.6 | 15 |

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|---|---|---|---|
| 37 | Planar cell polarity in kidney development and disease. Organogenesis, 2011, 7, 180-190. | 0.4 | 26 |
| 38 | Tankyrase is necessary for canonical Wnt signaling during kidney development. Developmental Dynamics, 2010, 239, 2014-2023. | 0.8 | 38 |
| 39 | Lrp4 Regulates Initiation of Ureteric Budding and Is Crucial for Kidney Formation â€“ A Mouse Model for Cenani-Lenz Syndrome. PLoS ONE, 2010, 5, e10418. | 1.1 | 54 |
| 40 | Aberrant planar cell polarity induced by urinary tract obstruction. American Journal of Physiology - Renal Physiology, 2009, 297, F1526-F1533. | 1.3 | 18 |
| 41 | Wnt9b signaling regulates planar cell polarity and kidney tubule morphogenesis. Nature Genetics, 2009, 41, 793-799. | 9.4 | 313 |
| 42 | A<i>Wnt7b</i>-dependent pathway regulates the orientation of epithelial cell division and establishes the cortico-medullary axis of the mammalian kidney. Development (Cambridge), 2009, 136, 161-171. | 1.2 | 205 |
| 43 | Î²-Catenin is necessary to keep cells of ureteric bud/Wolffian duct epithelium in a precursor state. Developmental Biology, 2008, 314, 112-126. | 0.9 | 138 |
| 44 | Six2 Defines and Regulates a Multipotent Self-Renewing Nephron Progenitor Population throughout Mammalian Kidney Development. Cell Stem Cell, 2008, 3, 169-181. | 5.2 | 815 |
| 45 | Wnt7b stimulates embryonic lung growth by coordinately increasing the replication of epithelium and mesenchyme. Development (Cambridge), 2008, 135, 1625-1634. | 1.2 | 147 |
| 46 | Gata3 Acts Downstream of Î²-Catenin Signaling to Prevent Ectopic Metanephric Kidney Induction. PLoS Genetics, 2008, 4, e1000316. | 1.5 | 126 |
| 47 | Noncanonical Wnt Signaling through G Protein-Linked PKCÎ´ Activation Promotes Bone Formation. Developmental Cell, 2007, 12, 113-127. | 3.1 | 286 |
| 48 | Molecular regulation of kidney development: is the answer blowing in the Wnt?. Pediatric Nephrology, 2007, 22, 1825-1838. | 0.9 | 75 |
| 49 | The Role of Wnt9b in Epithelial Tubule Induction and Differentiation. FASEB Journal, 2007, 21, A136. | 0.2 | 0 |
| 50 | Planar cell polarity and vertebrate organogenesis. Seminars in Cell and Developmental Biology, 2006, 17, 194-203. | 2.3 | 81 |
| 51 | Apicalâ€“basal polarity, Wnt signaling and vertebrate organogenesis. Seminars in Cell and Developmental Biology, 2006, 17, 214-222. | 2.3 | 51 |
| 52 | Distinct and sequential tissue-specific activities of the LIM-class homeobox gene Lim1 for tubular morphogenesis during kidney development. Development (Cambridge), 2005, 132, 2809-2823. | 1.2 | 307 |
| 53 | Sprouty1 Is a Critical Regulator of GDNF/RET-Mediated Kidney Induction. Developmental Cell, 2005, 8, 229-239. | 3.1 | 327 |
| 54 | Wnt9b Plays a Central Role in the Regulation of Mesenchymal to Epithelial Transitions Underlying Organogenesis of the Mammalian Urogenital System. Developmental Cell, 2005, 9, 283-292. | 3.1 | 788 |

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|---|---|---|---|
| 55 | Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. Development (Cambridge), 2002, 129, 5301-5312. | 1.2 | 377 |
| 56 | Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. Development (Cambridge), 2002, 129, 5301-12. | 1.2 | 216 |